International application No. INTERNATIONAL SEARCH REPORT PCT/KR2004/002465 CLASSIFICATION OF SUBJECT MATTER IPC7 H03F 1/33 According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 H03F, H03G Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and applications for inventions since 1975, Korean Utility models and applications for Utility models since 1975 Japanese Utility models and applications for Utility models since 1975 Electronic data base consulted during the intermational search (name of data base and, where practicable, search terms used) eKIPASS, ESPACENET DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Y US 6437649 B2 (Fujitsu Limited) 20 Aug. 2002 1 - 2 See the Abstract, fig.1, column 4, line 33 - line 45 JP 2002-330031 A (Sony Corp.) 15 Nov. 2002 See the Abstract Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: "T" later document published after the international filing date or priority document defining the general state of the art which is not considered date and not in conflict with the application but cited to understand to be of particular relevance

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/KR2004/002465

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6437649 B2	20.08.2002	JP 2001-332935 A2	30.11.2001
JP 2002-330031 A	15.11.2002	NONE	

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